

## ABSTRACT

The first part of the paper is devoted to the study of the asymptotic behavior of the solutions of the system (1) as  $\epsilon \rightarrow 0$ . In the second part, we study the asymptotic behavior of the solutions of the system (1) as  $\epsilon \rightarrow 0$ . In the third part, we study the asymptotic behavior of the solutions of the system (1) as  $\epsilon \rightarrow 0$ . In the fourth part, we study the asymptotic behavior of the solutions of the system (1) as  $\epsilon \rightarrow 0$ . In the fifth part, we study the asymptotic behavior of the solutions of the system (1) as  $\epsilon \rightarrow 0$ . In the sixth part, we study the asymptotic behavior of the solutions of the system (1) as  $\epsilon \rightarrow 0$ . In the seventh part, we study the asymptotic behavior of the solutions of the system (1) as  $\epsilon \rightarrow 0$ . In the eighth part, we study the asymptotic behavior of the solutions of the system (1) as  $\epsilon \rightarrow 0$ . In the ninth part, we study the asymptotic behavior of the solutions of the system (1) as  $\epsilon \rightarrow 0$ . In the tenth part, we study the asymptotic behavior of the solutions of the system (1) as  $\epsilon \rightarrow 0$ .